

PA2003-4seq
SEQUENCE LISTING

<110> Integrated DNA Technologies, Inc.
<120> ANTHRAQUINONE QUENCHER DYES, THEIR METHODS OF PREPARATION AND USE
<130> PA2003-4
<140> not assigned
<141> 2003-09-19
<160> 11
<170> PatentIn version 3.2
<210> 1
<211> 13
<212> DNA
<213> Artificial

<220>
<223> Description of Artificial Sequence: UQ2 Anthraquinone Labeled Oligonucleotide

<221> modified_base
<222> 13
<223> n = Anthraquinone Quencher UQ2

<400> 1
cagagtacct gan 13

<210> 2
<211> 13
<212> DNA
<213> Artificial

<220>
<223> Description of Artificial Sequence: An Dark Quencher QSY7 Labeled Oligonucleotide

<221> modified_base
<222> 13
<223> n = dark quencher QSY7

<400> 2
cagagtacct gan 13

<210> 3
<211> 13
<212> DNA
<213> Artificial

<220>
<223> Description of Artificial Sequence: Dark Quencher Dabcyl Labeled Oligonucleotide

<221> modified_base
<222> 13

PA2003-4seq

<223> n = dabcy1

<400> 3

cagagtacct gan

13

<210> 4

<211> 22

<212> DNA

<213> Artificial

<220>

<223> Description of Artificial Sequence: Oligonucleotide Dual-labeled Probe

<221> modified_base

<222> 1

<223> n = 6 FAM Reporter Dye

<221> modified_base

<222> 22

<223> n = UQ2

<400> 4

nacccgttca ccctccccca gn

22

<210> 5

<211> 22

<212> DNA

<213> Artificial

<220>

<223> Description of Artificial Sequence: Oligonucleotide Dual-labeled Probe

<221> modified_base

<222> 1

<223> n = 6 FAM Reporter Dye

<221> modified_base

<222> 22

<223> n = 6 TAMRA

<400> 5

nacccgttca ccctccccca gn

22

<210> 6

<211> 22

<212> DNA

<213> Artificial

<220>

<223> Description of Artificial Sequence: Oligonucleotide Dual-labeled Probe

<221> modified_base

<222> 1

<223> n = 6 FAM Reporter Dye

PA2003-4seq

<221> modified_base
<222> 22
<223> n = dark quencher QSY7

<400> 6
naccgcgttca ccctccccca gn

22

<210> 7
<211> 22
<212> DNA
<213> Artificial

<220>
<223> Description of Artificial Sequence: Oligonucleotide Dual-labeled Probe

<221> modified_base
<222> 1
<223> n = TR Reporter Dye

<221> modified_base
<222> 22
<223> n = Anthraquinone Quencher UQ2

<400> 7
naccgcgttca ccctccccca gn

22

<210> 8
<211> 22
<212> DNA
<213> Artificial

<220>
<223> Description of Artificial Sequence: Oligonucleotide Dual-labeled Probe

<221> modified_base
<222> 1
<223> n = Cy5 Reporter Dye

<221> modified_base
<222> 22
<223> n = Anthraquinone Quencher UQ2

<400> 8
naccgcgttca ccctccccca gn

22

<210> 9
<211> 22
<212> DNA
<213> Artificial

<220>
<223> Description of Artificial Sequence: Oligonucleotide Sequence Coding for Forward Primer

<400> 9

cagaaggta tatctgccat cg

<210> 10

<211> 22

<212> DNA

<213> Artificial

<220>

<223> Description of Artificial Sequence: Oligonucleotide Sequence
Coding for Reverse Primer

<400> 10

ctcaaagggt gttcgttct ct

22

<210> 11

<211> 220

<212> DNA

<213> Artificial

<220>

<223> Description of Artificial Sequence: Target Amplicon

<400> 11

cagaaggta tcatctgcca tcgaggcacc cgttcacccct cccccagtga cccggattat

60

ggtctccctc ctcttgagg gcactctttt tcctggactg ataaaaaaca gctcaaagaa

120

caaaatatca tccgtacagc taaagtgtgg accccagagg accccagaaa actcaacagt

180

caaatcttc gacaacatacg agaacgaaacc accctttgag

220